

Title (en)

FUEL FILTER OF AN INTERNAL COMBUSTION ENGINE AND HEATING SENSOR MODULE OF A FUEL FILTER

Title (de)

KRAFTSTOFFFILTER EINER BRENNKRAFTMASCHINE UND HEIZ-SENSOR-MODUL EINES KRAFTSTOFFFILTERS

Title (fr)

FILTRE À CARBURANT POUR MOTEUR À COMBUSTION INTERNE ET MODULE DE CAPTEUR DE CHAUFFAGE DE FILTRE À CARBURANT

Publication

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Application

EP 13703394 A 20130207

Priority

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Abstract (en)

[origin: WO2013135440A1] The invention relates to a fuel filter, in particular a diesel fuel filter (10) of an internal combustion engine, in particular of a motor vehicle, and to a heating sensor module (72). A filter housing (14) comprises at least one inlet for the fuel to be cleaned and at least one outlet for the cleaned fuel. A filter element (36) is arranged in the inner chamber (20) of the filter housing (14), in such a manner that it separates at least one inlet from the at least one outlet (32). At least one heating unit (106) for heating the fuel, at least one temperature sensor (110) for detecting a temperature of the fuel and at least one water level sensor (90) for detecting a water level of water separated from the fuel in a water collection space (22) are integrated in the heating sensor module (72). At least one heating element (104) of the heating unit (106) is arranged in a heating chamber (102) which is located outside of the inner chamber (20) of the filter housing (14) in respect of a fuel flow (118, 120) between the inlet (74) and a dirty side of the filter element (36) and which is delimited as well by a module housing (80) of the heating sensor module (72).

IPC 8 full level

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Citation (search report)

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